

A METHOD AND SYSTEM FOR PROVIDING EXTENDED REACH OF A  
DIGITAL SUBSCRIBER LINE SIGNAL

ABSTRACT OF THE DISCLOSURE

5 A method for providing extended reach of a digital  
subscriber line signal includes receiving an incoming DSL  
signal, splitting the DSL signal into separate voice and  
data signals, demodulating the data signal, requantizing  
the demodulated data signal, modulating the requantized  
data signal, amplifying the modulated requantized data  
signal and the voice signal, combining the amplified  
voice and data signal into a combined signal, and  
10 transmitting the combined signal.